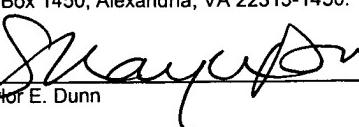


"Express Mail" mailing number: ER530237891US
Date of Deposit May 8, 2006

I hereby certify that this paper and all papers and fees referred to herein are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Shay E. Dunn



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Allison, et al.

Group Art Unit: 2154

Serial No.: 10/044,203

Examiner: Hu, Jinsong

Filed: January 10, 2002

Docket No.: 1322/84

Confirmation No.: 9749

For: METHODS AND SYSTEMS FOR PROVIDING MOBILE LOCATION MANAGEMENT SERVICES IN A NETWORK ROUTING NODE

DECLARATION UNDER 37 C.F.R. § 1.131

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

We, Peter J. Marsico and Rick L. Allison, being the sole inventors of the invention claimed in the above-referenced U.S. patent application, declare as follows:

1. We conceived of the invention claimed in the above-referenced patent application of receiving signaling messages transmitted between HLR and a VLR, extracting mobile subscriber information from the signaling messages, caching the mobile subscriber information, and using the cached information in processing and routing of subsequent signaling messages transmitted by the HLR or the VLR relating to the mobile subscriber, where the steps occur in a routing node separate from the HLR and the VLR and located in a

communication path between an HLR and a VLR, at least as early as June 14, 2001.

2. As evidence of our conception of the invention at least as early as June 14, 2001, we have attached an invoice and time records from Marsicorp, Inc. indicating time spent working on a patent application entitled, "Methods and Systems for Providing Gateway Location Register Functionality in a Network Routing Node (GLR)."
3. The time records for Marsicorp, Inc., are for time spent by Pete Marsico in his capacity as a contractor for the assignee of the present application in preparing the draft patent application.
4. As indicated in the time records, the draft patent application was begun on June 14, 2001.
5. The draft patent application referred to in the time records eventually became the patent application that was filed on January 10, 2002.
6. As further evidence of conception of the invention at least as early as June 14, 2001, we attach our attorney's time records. In the time records, the entry dated June 28, 2001 indicates that a site conference regarding the GLR occurred with Pete Marsico on that date.
7. "GLR" refers to "gateway location register," which was a name used by the inventors to refer to the above-referenced patent application.
8. We were duly diligent in constructively reducing the invention to practice from June 2001 until the filing of a patent application on January 10, 2002. As evidence of our due diligence between June 2001 and January 2002, we refer to

the following attachments which show that we and our attorney, Gregory A. Hunt, reviewed and revised drafts of the patent application from June 2001 until January 2002 when the application was filed:

- (a) email, invoice, and time records dated June 27, 2001 from Marsicorp, Inc. indicating time entries in June 2001 for preparing a draft of the patent application;
- (b) email, invoice, and time records from Marsicorp, Inc. dated August 18, 2001 indicating time spent in preparing the draft patent application in July and August of 2001;
- (c) time records from Jenkins, Wilson, Taylor, & Hunt, P.A. indicating time spent in reviewing, revising, and filing the patent application from June 2001 until January 10, 2002;
- (d) computer screen shot showing modification of patent application by Microsoft Word document reviewer named "Peter&Ellie" on August 12, 2001, where Pete Marsico made edits using the name "Pete&Ellie";
- (e) screen shot from WinZip file ApplicationSpec_Tekelc_GLR.zip indicating a modification date of drafts of the patent application of 10/25/2001; and
- (f) email correspondence in Fall of 2001 and January of 2002 between Pete Marsico, Greg Hunt, and Rick Allison regarding drafts of the patent application.

We hereby declare that all statements herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and

the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



Peter J. Marsico



Date

Rick L. Allison

Date

Enclosures:

Correspondence and Time Records Regarding Preparation and Filing of Patent Application

Serial No.: 10/044,203

the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

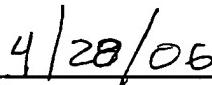
Peter J. Marsico



Date

Rick L. Allison

Date



Enclosures:

Correspondence and Time Records Regarding Preparation and Filing of Patent Application

04/04/06
10:00 AM

JENKINS, WILSON, TAYLOR & HUNT, P.A.
Slip Listing

Page 1

Selection Criteria

Slip Classification Open
Client (hand select) Include: 1322/84

Rate Info - identifies rate source and level

Slip ID		Attorney	Units	Rate	Slip Value
Dates and Time		Work	DNB Time	Rate Info	
Posting Status		Client	Est. Time	Bill Status	
Description		Reference	Variance		
29129	TIME	GAH	0.30		
06/28/01		P260	0.00	T@1	
Billed	G:28826	06/30/01	1322/84		
Site conference with Pete Marsico re GLR					
29301	EXP	GAH	1		
07/10/01		Expense			
Billed	G:29573	07/31/01	1322/84		
Patent specialist fees and firm administrative charges					
31415	EXP	GAH	1		
08/23/01		Expense			
Billed	G:30450	08/31/01	1322/84		
Patent specialist fees and firm administrative charges					
35369	TIME	GAH	0.30		
11/16/01		P260	0.00	T@1	
Billed	G:33252	11/26/01	1322/84		
Review GLR patent application					
35393	TIME	GAH	1.50		
11/19/01		P260	0.00	T@1	
Billed	G:33252	11/26/01	1322/84		
Review and revise GLR patent application					
35545	TIME	GAH	1.10		
11/24/01		P260	0.00	T@1	
Billed	G:33252	11/26/01	1322/84		
Review and revise draft patent application					
35548	TIME	GAH	5.60		
11/25/01		P260	0.00	T@1	
Billed	G:33252	11/26/01	1322/84		
Review and revise draft patent application					
35567	TIME	GAH	1.00		
11/26/01		P260	0.00	T@1	
Billed	G:33252	11/26/01	1322/84		
Review and revise draft patent application					

04/04/06
10:00 AM

JENKINS, WILSON, TAYLOR & HUNT, P.A.
Slip Listing

Page 2

Slip ID	Dates and Time	Attorney	Units	Rate	Slip Value
	Posting Status	Work Client Reference	DNB Time	Rate Info	
	Description		Est. Time	Bill Status	
35957	TIME 11/29/01 Billed G:34117 12/31/01 Review and revise draft patent application	GAH P260 1322/84	3.40 0.00 0.00 0.00	T@1	
35992	TIME 11/30/01 Billed G:34117 12/31/01 Revise draft patent application	GAH P260 1322/84	1.70 0.00 0.00 0.00	T@1	
36399	TIME 12/14/01 Billed G:34117 12/31/01 Review and revise GLR patent application	GAH P260 1322/84	0.80 0.00 0.00 0.00	T@1	
36436	TIME 12/17/01 Billed G:34117 12/31/01 Review and revise A-port patent application	GAH P260 1322/84	2.30 0.00 0.00 0.00	T@1	
36507	TIME 12/18/01 Billed G:34117 12/31/01 Revise draft patent application	GAH P260 1322/84	1.00 0.00 0.00 0.00	T@1	
36567	TIME 12/19/01 Billed G:34117 12/31/01 Review and revise GLR patent application	GAH P260 1322/84	0.40 0.00 0.00 0.00	T@1	
37350	TIME 01/09/02 Billed G:34810 01/31/02 Incorporate inventor comments into final draft GLR patent application; revise claims; correspond with Pete Marsico and Rick Allison re same	GAH P260 1322/84	3.00 0.00 0.00 0.00	T@1	
37417	TIME 01/10/02 Billed G:34810 01/31/02 File patent application and Information Disclosure Statement in U.S. Patent and Trademark Office	GAH P260 1322/84	0.20 0.00 0.00 0.00	T@1	
37856	EXP 01/10/02 Billed G:34810 01/31/02 U.S. Patent and Trademark Office Fee	GAH Expense 1322/84	1	1	

Subject: Tekelec - Gateway Location Register: June Invoice / Timesheet

Date: Wed, 27 Jun 2001 23:32:25 -0400

From: "Pete" <marsicop@bellsouth.net>

To: "Greg Hunt" <ghunt@jenkinsandwilson.com>

Hey Greg,

Sorry I missed your call this evening, ... at the gym taking a break.

At any rate, ... I'll see you @ 10am tomorrow for the End Office Support mtg.

Am attaching an Invoice / Timesheet for the "Gateway Location Register" application ... still in progress (have been working with Rick on this one as well), ... will talk to you about it tomorrow, if you like.

See you tomorrow.

Pete

 J&W_Invoice_GLR_1.doc	Name: J&W_Invoice_GLR_1.doc Type: WINWORD File (application/msword) Encoding: base64
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Invoice For Marsicorp, Inc. Services

EIN: 56-2148277

Invoice Date: 6/27/01

Billing Address: *Marsicorp, Inc.*
201 Westbrook Dr.
D15
Carrboro, NC 27510

<i>Date</i>	<i>Activity</i>	<i>Hours</i>
6/14/01 – 6/26/01	Tekelec Patent Application <i>1322-?? Methods And Systems For Providing Gateway Location Register Functionality At A Network Routing Node (GLR)</i>	34.20 hrs @ \$75/hr

Total Due:

Tekelec - GLR
Docket #: 1322-

Date	Start Time	End Time	Hours
6/14/01	6 36 am 9 42 am 9 12 pm 10 24 pm	8 30 am 11 18 pm 10 6 pm 11 42 pm	5 . 42
6/15/01	6 24 am 7 24 pm 10 12 pm	7 30 am 9 18 pm 11 24 pm	4 . 12
6/19/01	6 48 pm 9 42 pm	9 12 pm 10 54 pm	3 . 36
6/20/01	6 18 pm 9 30 pm	8 24 pm 11 36 pm	4 . 12
6/22/01	6 12 am 9 54 am 4 0 pm 6 24 pm	9 42 am 10 36 am 5 54 pm 7 36 pm	7 . 18
6/24/01	6 24 am 5 42 pm 6 42 pm 9 18 pm	7 36 am 6 24 pm 7 0 pm 11 48 pm	4 . 42
6/26/01	6 36 pm 10 12 pm	9 48 pm 11 30 pm	4 . 30

Total: 34.20

Subject: Invoice & Timesheet: Tekelec GLR Application

Date: Sat, 18 Aug 2001 12:20:28 -0400

From: "Pete" <marsicop@bellsouth.net>

To: "Greg Hunt" <ghunt@jenkinsandwilson.com>

Greg,

Attached is another invoice and timesheet for the "Gateway Location Register" application that I have been working on for the past month or so.

It is essentially complete and should be reviewed by the appropriate inventors / reviewers at Tekelec within a week or so. I'll pass the reviewed / commented draft on to you ASAP.

Thanks,
Pete

 <u>J&W_Invoice_GLR_2.doc</u>	Name: J&W_Invoice_GLR_2.doc Type: WINWORD File (application/msword) Encoding: base64
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Invoice For Marsicorp, Inc. Services

EIN: 56-2148277

Invoice Date: 8/18/01

Billing Address: *Marsicorp, Inc.
201 Westbrook Dr.
D15
Carrboro, NC 27510*

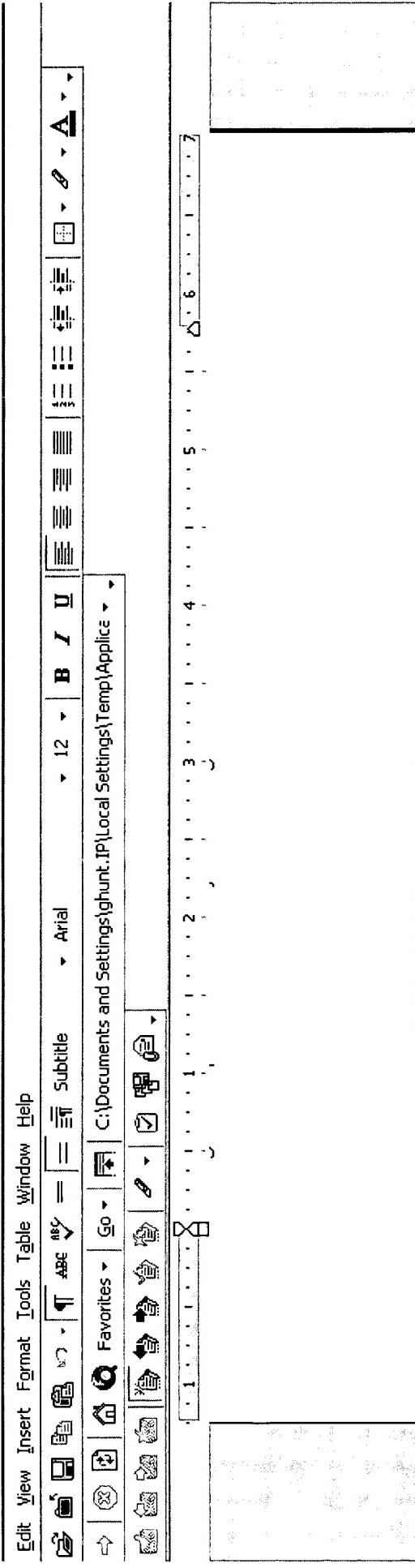
<i>Date</i>	<i>Activity</i>	<i>Hours</i>
6/28/01 – 8/13/01	Tekelec Patent Application <i>1322-?? Methods And Systems For Providing Gateway Location Register Functionality At A Network Routing Node (GLR)</i>	49.57 hrs

Total Due:

Tekelec -GLR
Docket #: 1322-

Date	Start Time	End Time	
6/28/01	6 36 am 9 12 pm 10 0 pm	8 30 am 9 42 pm 11 18 pm	3 . 42
7/2/01	6 24 am 6 18 pm 9 12 pm	7 26 am 8 18 pm 10 30 pm	4 . 20
7/24/01	5 48 pm 9 30 pm	7 54 pm 10 42 pm	3 . 18
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7/28/01	6 30 am 9 48 am 5 0 pm 6 42 pm	9 24 am 10 36 am 6 12 pm 7 54 pm	6 . 6
7/29/01	6 18 am 7 12 am 3 0 pm 8 24 pm 9 12 pm	6 42 am 11 30 am 5 48 pm 8 42 pm 10 0 pm	8 . 36
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8/1/01	7 0 pm 8 18 pm 10 12 pm	7 26 pm 9 18 pm 11 30 pm	2 . 44
8/2/01	8 12 pm 10 6 pm	9 30 pm 11 48 pm	3 . 0
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8/13/01	6 36 pm 10 12 pm	9 48 pm 11 30 pm	4 . 30

Total: 49.57



Pete&Ellie, 10/12/2001 10:56 AM
Inserted

Invention may be adapted to modify the contents of a received message so as to reflect a pseudo-VLR identifier, MSC identifier, or HLR identifier that has been previously assigned to the MMR node. In such a case, subsequent communications from the mobile subscriber's HLR will be explicitly directed to the MMR node **300**. In an alternate embodiment, the serving VLR and serving MSC parameters need not be modified. In such a case, MMR node **300** is adapted to transparently intercept and examine all mobility management type signaling messages entering the visited network from a

Winzip - ApplicationsSpec_Teklec_GLR.zip

File Actions Options Help



New



Open



Favorites



Add



Extract



View



CheckOut



Wizard

Name	Modified	Size	Ratio	Packed	Path
ApplicationSpec_...	10/25/2001 12:0...	127,488	77%	29,668	
ApplicationFigs_...	10/25/2001 12:0...	841,728	87%	113,547	

ZIP Properties

Path: I:\Tekelec\1322-84

Name: ApplicationSpec_Teklec_G

File size: 143,513

Files: 2

Compression: 85%

Date/time: 11/16/2001 6:08 PM

OK

Selected 0 files, 0 bytes

Total

start



0-Special Inter

Subject: GLR patent application

Date: Mon, 26 Nov 2001 08:38:16 -0500

From: Greg Hunt <ghunt@jenkinsandwilson.com>

To: Peter Marsico <peter.marsico@tekelec.com>, Rick Allison <rick.allison@tekelec.com>

Pete and Rick,

Hope you guys had a happy Thanksgiving. I gave thanks for Carolina's 0 and 2 start.

The GLR patent application looks good. I will email you my changes today or tomorrow and try to file on Wednesday.

Best regards,

Greg

Greg Hunt
Jenkins & Wilson, P.A.
Patent Attorneys
University Tower, Suite 1400
3100 Tower Boulevard
Durham, North Carolina 27707

Phone: 919-493-8000
Fax: 919-419-0383
Website: jenkinsandwilson.com
Email: ghunt@jenkinsandwilson.com

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Subject: GLR Application

Date: Tue, 8 Jan 2002 17:09:11 -0500

From: "Peter Marsico" <peter.marsico@tekelec.com>

To: Greg Hunt <ghunt@jenkinsandwilson.com>

CC: marsicop@bellsouth.net

Rick Allison
01/08/2002 04:45 PM

To: Peter Marsico/Raleigh/TEKELEC@TEKELEC
cc:

Subject: Re: GLR Application (Document link not converted)

Attached is the GLR application with my comments. Please look at the added stuff starting on Line 10, Page 32 - I think this may need some massaging or more fleshing out, but I'll let you make the call.

Thanks,
Rick

(See attached file: GLR Patent App Draft.doc)

This electronic mail message contains information which is (a) LEGALLY PRIVILEGED, PROPRIETARY IN NATURE, OR OTHERWISE PROTECTED BY LAW FROM DISCLOSURE, and (b) intended only for the use of the Addressee (s) names herein. If you are not the Addressee (s), or the person responsible for delivering this to the Addressee (s), you are hereby notified that reading, copying, or distributing this message is prohibited. If you have received this electronic mail message in error, please contact us immediately at the telephone number shown below and take the steps necessary to delete the message completely from your computer system. Thank you

Peter J. Marsico

AVP, Patent Engineering
(919) 380-3814

 GLR Patent App Draft.doc	Name: GLR Patent App Draft.doc Type: WINWORD File (application/msword) Encoding: base64 Description: Mac Word 3.0
--	--

Subject: GLR patent application

Date: Wed, 09 Jan 2002 09:24:16 -0500

From: Greg Hunt <ghunt@jenkinsandwilson.com>

To: peter.marsico@tekelec.com

Pete,

Can you please re-send me Rick's comments to the patent application. I reviewed and incorporated his changes into the final draft, but I accidentally deleted the marked-up copy. I just want to be sure all of the changes are covered by the claims.

Thanks,

Greg

Greg Hunt
Jenkins & Wilson, P.A.
Patent Attorneys
University Tower, Suite 1400
3100 Tower Boulevard
Durham, North Carolina 27707

Phone: 919-493-8000
Fax: 919-419-0383
Website: jenkinsandwilson.com
Email: ghunt@jenkinsandwilson.com

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